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EXAMINER

SELBY, GEVELI V

ART UNIT	PAPER NUMBER
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2615

DATE MAILED: 11/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/855,539

Applicant(s)

YOSHIRO, YAMAZAKI

Examiner

Gevell Selby

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Objections

Claims 18, 25, and 29 are objected to because of the following informalities:

Claims 18, 25, and 29 recite the limitation "second" in line 1, line 2, and line 2, respectively. There is insufficient antecedent basis for this limitation in the claim. For examination purposes, the word "second" will be removed from the claim.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-8, 14-20, 31-34, and 38 are rejected under 35 U.S.C. 102(e) as being anticipated by Miyadera, US 6,133,951.

In regard to claims 1 and 19, Miyadera, US 6,133,951, discloses an image pickup device and control method for the device comprising:

- an image pickup section (see figure 2, element 8) which senses an optical image and converts said optical image into image information (see column 6, lines 21-25);

- a recognition section (see figure 2, element 11), which, if said optical image sensed by said image pickup section includes a medium displaying predefined information, recognizes said predefined information based on said image information obtained by said image pickup section (see figure 7A and column 9, line 4+);

- a storage section (see figure 2, element 43) which stores said predefined information recognized by said recognition section (see column 5, lines 25-29); and

- a processing section (figure 2, element 24) which performs at least one of controlling image sensing by said image pickup section based on said predefined information, processing image information based on said predefined information, and making said predefined information correspond to associated image information (see column 8, lines 58-60).

In regard to claim 2, Miyadera, US 6,133,951, discloses the image pickup device of claim 1, wherein said predefined information is coded and displayed at said medium in a visually recognizable form (see figure 4 and column 6, lines 26-35).

In regard to claim 3, Miyadera, US 6,133,951, discloses the image pickup device of claim 1, wherein said predefined information is one of text and an illustration displayed at said medium (see figure 4 and column 6, lines 26-35).

In regard to claim 4, Miyadera, US 6,133,951, discloses the image pickup device of claim 1, wherein said predefined information is any one of information relating to an image pickup condition of said image pickup section, information relating to processing of image information obtained by image sensing of said image pickup section, and information which is to be corresponded to image information obtained by image sensing of said image pickup section (see column 6, lines 38-48).

In regard to claim 5, Miyadera, US 6,133,951, discloses the image pickup device of claim 4, wherein said information relating to said image pickup condition includes image pickup condition information which regulates said image pickup condition (see column 6, lines 38-48), and said processing section controls such that image sensing is performed by said image pickup section with said image pickup condition being regulated by said image pickup condition information (see column 8, lines 58-60).

In regard to claim 6, Miyadera, US 6,133,951, discloses the image pickup device of claim 5, wherein said image pickup condition information is information which regulates at least one of a flash mode, an automatic exposure mode, turning automatic white balance adjustment on/off, and whether to allow saturation of gray tones at a highlighted area (see column 6, lines 38-48).

In regard to claim 7, Miyadera, US 6,133,951, discloses the image pickup device of claim 5, further comprising a selector section which selects information, wherein said storage section is capable of storing a plurality of kinds of said image pickup condition information, and said processing section controls such that image sensing is performed by said image pickup section with said image pickup condition being regulated by image

pickup condition information selected, by said selector section, from said plurality of kinds of said image pickup condition information stored at said storage section (see column 9, lines 53-65).

In regard to claim 8, Miyadera, US 6,133,951, discloses the image pickup device of claim 7, further comprising a display section (see figure 2, element 13), wherein said information relating to said image pickup condition includes title information which represents a title of said image pickup condition information, and said selector section displays, based on said title information, a title of a selectable image pickup condition at said display section (see column 8, lines 50-54: It is inherent the contents displayed describing the photography conditions display a title to differentiate the selected function from the others).

In regard to claim 14, Miyadera, US 6,133, 951, discloses the image pickup device of claim 4, wherein said information relating to processing of image information includes at least one of processing condition information which regulates a processing condition of image processing on image information, title information which represents a title of said processing condition of image processing, and layout information which regulates a layout when image information representing an image is to be synthesized with other visually recognizable recordable information, and said processing section makes at least one of said processing condition information, said title information and said layout information to correspond to said image information (see column 8, lines 50-54: It is inherent the contents displayed describing the photography conditions display a title to differentiate the selected function from the others).

In regard to claim 15, Miyadera, US 6,133, 951, discloses the image pickup device of claim 4, wherein said information which is to be corresponded to said image information obtained by image sensing of said image pickup section includes at least one of classification information for classification of an image represented by said image information, text information which represents a text message which explains content of said image represented by said image information, and illustration information which represents an illustration to be added to said image represented by said image information, and said processing section performs one of making correspond to specific image information said information which is to be corresponded and synthesizing with said image information said information which is to be corresponded (see column 8, lines 50-54).

In regard to claim 16, Miyadera, US 6,133,951, discloses the image pickup device of claim 1, further comprising a first notifying section which notifies if said recognition section one of recognizes predefined information and recognizes absence of predefined information (see column 9, line 60 to column 10, line 3).

In regard to claim 17, Miyadera, US 6,133,951, discloses the image pickup device of claim 1, wherein if said image pickup device is sensing an optical image that includes a medium displaying coded predefined information in a visually recognizable form (see column 6, lines 36-48), said image pickup section performs image sensing with a fixedly predetermined image pickup condition (see column 8, lines 58-60).

In regard to claim 18, Miyadera, US 6,133,951, discloses the image pickup device of claim 1, further comprising a second notifying section which judges whether a medium

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displaying coded predefined information in a visually recognizable form is included in said optical image sensed by said image pickup section, and notifies if said medium is judged to be included (see column 9, lines 53-65).

In regard to claim 20, Miyadera, US 6,133,951, discloses an image processing method comprising the steps of:

sensing, with an image pickup device provided with an image pickup section which senses an optical image and converts said optical image into image information (see column 6, lines 21-25), a medium displaying processing information which regulates processing content when image information is to be processed (see column 8, lines 50-54);

inputting said processing information into said image pickup device by recognizing said processing information based on said image information obtained by image sensing and storing said processing information at a storage section (see figure 7A and column 9, line 4+);

making said processing information correspond to specific image information (see figure 7A and column 9, line 4+); and

sending said specific image information corresponded to said processing information to an image processing device, such that said specific image information is processed by said image processing device with said processing content being regulated by said processing information (see column 8, lines 56-60).

In regard to claims 31 and 38, Miyadera, US 6,133, 951, discloses an image pickup device and method for controlling the device comprising:

an image pickup section (see figure 2, element 8), which senses an optical image and converts said optical image to image information (see column 6, lines 21-25);

a recognition section (see figure 2, element 11) which, if said optical image sensed by said image pickup section includes a medium displaying predefined information in a visually recognizable first format, recognizes said predefined information based on said image information obtained by image sensing (see figure 7A and column 9, line 4+);

a storage section (see figure 2, element 43) which stores said predefined information recognized by said recognition section (see column 5, lines 25-29); and

an adder section (see figure 2, element 40) which, when an image represented by said image information is to be recorded on a recording material, adds said predefined information to said image information to provide information to be recorded on the same recording material in a second format which is different from said first format (see column 4, lines 18-29: It is inherent that the predefined information such as the shutter speed and aperture value is saved in a data format whereas the image information is saved in an image format on the memory card so that the data may be recovered from the memory card and processed correctly at a later time).

In regard to claim 32, Miyadera, US 6,133, 951, discloses the image pickup device of claim 31, wherein said first format is a bar code (see column 11, lines 40-41).

In regard to claim 33, Miyadera, US 6,133, 951, discloses the image pickup device of claim 31, wherein identification information indicating kind of said predefined information is added to said predefined information, and said recognition section

recognizes said kind of said predefined information based on said identification information (see column 9, lines 53-65).

In regard to claim 34, Miyadera, US 6,133, 951, discloses the image pickup device of claim 33, wherein said adder section decides said second format in accordance with said kind of said predefined information recognized by said recognition section, and adds information designating said second format to said image information with said predefined information (see column 4, lines 18-29: It is inherent that the predefined information such as the shutter speed and aperture value is saved in a data format whereas the image information is save in an image format on the memory card so that the data may be recovered from the memory card and processed correctly at a later time).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 9-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyadera, US 6,133,951 in view of Kinjo, US 6,798,921.**

In regard to claim 9, Miyadera, US 6,133,951, discloses the image pickup device of claim 4. The Miyadera reference does not disclose that the information relating to processing of image information includes processing condition information which

regulates a processing condition of image processing on image information, and said processing section performs said image processing on image information with said processing condition being regulated by said processing condition information.

Kinjo, US 6,798,921 discloses an image pickup device with processing subsections 62 and 66 which perform various known processing steps including: grey balance adjustment, tonal correction, density adjustment, color adjustment, scaling, dodging and sharpening (see column 6, lines 40-54). The amounts of adjustment of image processing conditions are calculated according to processing condition information commands for adjusting the density, color, contrast, sharpness, saturation, and other various parameters (see column 7, lines 29-36).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Miyadera, US 6,133,951 in view of Kinjo, US 6,798,921, to have the information relating to processing of image information includes processing condition information which regulates a processing condition of image processing on image information, and said processing section performs said image processing on image information with said processing condition being regulated by said processing condition information in order to automatically set processing parameters and improve the image quality of the captured images.

In regard to claim 10, Miyadera, US 6,133,951 in view of Kinjo, US 6,798,921, discloses the image pickup device of claim 9. The Kinjo reference discloses that the processing condition information is information which regulates at least one of a saturation enhancement degree, a sharpness enhancement degree, a processing condition

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of color conversion processing, a processing condition of density conversion processing, and turning a particular image processing on/off (see column 7, lines 29-36).

In regard to claim 11, Miyadera, US 6,133,951 in view of Kinjo, US 6,798,921, discloses the image pickup device of claim 9, further comprising a selector section which selects information, wherein said storage section is capable of storing a plurality of kinds of said processing condition information, and said processing section performs said image processing on image information with a processing condition being regulated by processing condition information selected, by said selector section, from said plurality of kinds of said processing condition information stored at said storage section (see Miyadera: column 9, lines 53-65 and Kinjo: column 7, lines 29-36: When the data symbol is decoded as processing information the selector would select the appropriate process and parameters for the processor).

In regard to claim 12, Miyadera, US 6,133,951 in view of Kinjo, US 6,798,921, discloses the image pickup device of claim 11. The Miyadera reference further comprises a display section (see figure 2, element 13), wherein said information relating to processing of image information includes title information which represents a title of said processing condition information, and said selector section displays, based on said title information, a title of a selectable processing condition at said display section (see column 8, lines 50-54: It is inherent the contents displayed describing the photography conditions display a title to differentiate the selected function from the others).

5. Claims 13 and 21-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431.

In regard to claim 13, Miyadera, US 6,133,951, discloses the image pickup device of claim 4. Miyadera does not disclose that the information relating to processing of image information includes layout information which regulates a layout when image information representing an image is to be synthesized with other visually recognizable recordable information, and said processing section synthesizes a portion or all of said image information representing said image with said other information in said layout regulated by said layout information.

Anderson et al., US 6,097,431, discloses an image pickup device wherein the information relating to processing of image information includes layout information which regulates a layout when image information representing an image is to be synthesized with other visually recognizable recordable information (see figures 9-11 and column 6, lines 26-28: There are three layouts that can be displayed along with other image information including the frame number, shutter speed, image size and audio volume), and said processing section synthesizes a portion or all of said image information representing said image with said other information in said layout regulated by said layout information (see column 6, lines 18-25: Layout information is inputted by the user to command the processor to display the desired layout).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, to have the data symbol include layout information which regulates a layout when image information representing an image is to be synthesized with other visually recognizable recordable information, and said processing section

synthesizes a portion or all of said image information representing said image with said other information in said layout regulated by said layout information in order to automatically display the preferred layout of the user out of several choices as the initial layout, saving the user time in operating the camera.

In regard to claims 21 and 30, Miyadera, US 6,133,951, discloses an image pickup device and method for controlling the device comprising:

an image pickup section (see figure 2, element 8), which senses an optical image and converts said optical image into image information (see column 6, lines 21-25);

a recognition section (see figure 2, element 11), which, if said optical image sensed by said image pickup section includes a medium displaying predefined information, recognizes said predefined information based on said image information obtained by said image pickup section (see figure 7A and column 9, line 4+);

a storage section (see figure 2, element 43) which stores said predefined information recognized by said recognition section (see column 5, lines 25-29); and

The Miyadera reference does not disclose that the image information is layout information and that the image pickup device includes a generator section which, when image information of an image to be synthesized in accordance with said layout defined by said layout information is one of designated and inputted, generates one of composite image information, which represents a composite image in which said image to be synthesized is synthesized in accordance with said layout, and instruction information, which is for generation of said composite image information.

Anderson et al., US 6,097,431, discloses an image pickup device wherein the

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information relating to processing of image information includes layout information which regulates a layout when image information representing an image is to be synthesized with other visually recognizable recordable information (see figures 9-11 and column 6, lines 26-28: There are three layouts that can be displayed along with other image information including the frame number, shutter speed, image size and audio volume), and a generator section synthesizes a portion or all of said image information representing said image with said other information in said layout regulated by said layout information (see column 6, lines 18-25: Layout information is inputted by the user to command the processor to display the desired layout).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, to have the image pickup device comprise:

- a recognition section which, if said optical image sensed by said image pickup section includes a medium displaying layout information which defines a layout employable during image synthesis, recognizes said layout information based on said image information obtained by image sensing;

- a storage section which stores said layout information recognized by said recognition section; and

- a generator section which, when image information of an image to be synthesized in accordance with said layout defined by said layout information is one of designated and inputted, generates one of composite image information, which represents a composite image in which said image to be synthesized is

synthesized in accordance with said layout, and instruction information, which is for generation of said composite image information;

in order to automatically display the preferred layout of the user out of several choices as the initial layout, saving the user time in operating the camera.

In regard to claim 22, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 21, wherein said layout information is coded and displayed at said medium in a visually recognizable form (see Miyadera: figure 4 and column 6, lines 26-35: The layout information would be displayed as a data symbol like the other image information).

In regard to claim 23, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 21. The Anderson reference discloses further comprising a first selector section (see figure 8, element 264), wherein a plurality of kinds of layout information, which define mutually different layout patterns, are stored in said storage section, and said first selector section selects layout information to be used during image synthesis (see figures 9-11 and column 6, lines 26-28: There are three layouts saved in memory that can be selected and displayed along with other image information including the frame number, shutter speed, image size and audio volume).

In regard to claim 24, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 23. The Miyadera reference further comprises a display section (see figure 1, element 13), wherein title information which represents a title of a layout defined by layout information is added to said layout information, and said first selector section displays, based on said title information, a title

of a selectable layout at said display section (see column 8, lines 50-54: It is inherent the contents displayed describing the photography conditions display a title to differentiate the selected function from the others).

In regard to claim 25, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 21. The Anderson reference further comprises a ~~second~~ selector section (see figure 8, element 264), wherein a plurality of image synthesizable synthesis regions are provided in said layout defined by said layout information, and said ~~second~~ selector section selects a to-be-processed synthesis region from among said plurality of synthesis regions (see figures 9-11 and column 6, lines 26-28: There are three layouts saved in memory that can be selected and displayed along with other image information including the frame number, shutter speed, image size and audio volume).

In regard to claim 26, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 25. The Anderson reference further comprises a display section (see figure 8, element 280), wherein said second selector section displays said layout defined by said layout information at said display section such that an arrangement of said plurality of synthesis regions provided in said layout can be visually confirmed (see figure 9-11: Figure 9 displays the layout for the region selected by the selector section in figure 10 or 11).

In regard to claim 27, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 21. The Miyadera reference discloses wherein after image synthesis has been instructed, said image information of

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said image to be synthesized in accordance with said layout defined by said layout information is inputted by said image pickup section sensing an optical image and image information obtained by image sensing being inputted (see column 8, lines 56-60).

In regard to claim 28, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 21. The Miyadera reference further comprises a first designation section, which designates said image to be synthesized in accordance with said layout defined by said layout information from among a plurality of images whose image information has been stored in said storage section by optical image sensing by said image pickup section (see column 8, lines 56-60: The processor will designate the display layout based on the layout information from the data symbol.)

In regard to claim 29, Miyadera, US 6,133, 951, in view of Anderson et al., US 6,097,431, discloses the image pickup device of claim 21. The Miyadera reference further comprises a second designation section which designates as said image to be synthesized a partial region of a specific image whose image information is stored in said storage section, wherein said generator section generates one of said composite image information and said instruction information based on position, shape and size of said region designated by said second designation section, such that only said region is synthesized as said composite image (see column 8, lines 56-60: The processor will designate the display layout based on the layout information from the data symbol.).

6. Claims 35-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyadera, US 6,133,951 in view of Anderson, US 6,683,649.

In regard to claim 35, Miyadera, US 6,133, 951, discloses the image pickup device of claim 31. The Miyadera reference does not disclose that the predefined information is audio information, and said second format is an audio information representation format which represents said audio information such that sound represented by said audio information is easily reproducible.

Anderson, US 6,683,649, discloses an image pickup device that can store one or more media types including images, video, audio, and text (see abstract). The images are stored in the mass storage device in image format (see column 6, lines 51-57) whereas the audio information is stored in Audio format (see column 6, lines 7-21). Icons are displayed on the screen indicating which media types are associated with a file (see figure 4A).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Miyadera, US 6,133,951 in view of Anderson, US 6,683,649 to have the predefined information be audio information, and said second format is an audio information representation format which represents said audio information such that sound represented by said audio information is easily reproducible in order to add annotations or music to accompany an image.

In regard to claim 36, Miyadera, US 6,133, 951, discloses the image pickup device of claim 31. The Miyadera reference does not disclose that the predefined information is text information, and said second format is an image representation format which represents text represented by said text information as an image.

Anderson, US 6,683,649, discloses an image pickup device that can store one or more media types including images, video, audio, and text (see abstract). The images are stored in the mass storage device in image format (see column 6, lines 51-57) whereas the text information is stored in as a text media type or displayed with the image as a watermark (see column 7, lines 26-29). Icons are displayed on the screen indicating which media types are associated with a file (see figure 4A).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Miyadera, US 6,133,951 in view of Anderson, US 6,683,649 to have the predefined information is text information, and said second format is an image representation format which represents text represented by said text information as an image in order to annotate the image with preset messages so they do not have to be entered manually.

In regard to claim 37, Miyadera, US 6,133, 951, discloses the image pickup device of claim 31. The Miyadera reference does not disclose that the predefined information is illustration information, and said second format is an image representation format which represents an illustration represented by said illustration information as an image.

Anderson, US 6,683,649, discloses an image pickup device that can store one or more media types including images, video, audio, and text (see abstract). The images are stored in the mass storage device in image format (see column 6, lines 51-57). Illustration information is stored to display the images and media icons on the display in a composite image in review mode (see figure 4A and column 7, lines 60-64).

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It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Miyadera, US 6,133,951 in view of Anderson, US 6,683,649 to have the predefined information is illustration information, and said second format is an image representation format which represents an illustration represented by said illustration information as an image in order for the user to be able to view multiple images at once, making it easier to select the desired image.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following art discloses cameras that capture images of barcodes:

US 6,747,692,

US 6,512,919,

US 5,845,166.

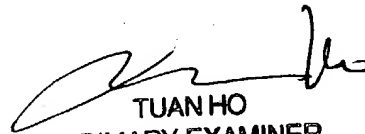
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gevell Selby whose telephone number is 703-305-8623. The examiner can normally be reached on 8:00 A.M. - 5:30 PM (every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Christensen can be reached on 703-308-9644. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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